# UNITED STATES PATENT AND TRADEMARK OFFICE

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/895,046 | 06/29/2001 | Peter O. Vale | 60001.51USU1 | 9307 |

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| 27488          7590          09/19/2006 | EXAMINER | |
| MERCHANT & GOULD (MICROSOFT) | LESNIEWSKI, VICTOR D | |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2152 | |

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DATE MAILED: 09/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | Application No. | Applicant(s) |
|---|---|---|
| **Office Action Summary** | 09/895,046 | VALE, PETER O. |
| | Examiner | Art Unit | |
| | Victor Lesniewski | 2152 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) ☒ Responsive to communication(s) filed on *19 July 2006*.

2a) ☐ This action is **FINAL**.    2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) ☒ Claim(s) *1-15,18-20,22 and 23* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-15,18-20,22 and 23* is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All    b) ☐ Some * c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

## DETAILED ACTION

1.      The amendment filed 4/18/2006 has been placed of record in the file.

2.      Claims 1 and 15 have been amended.

3.      Claims 1-15, 18-20, 22, and 23 are now pending.

4.      The applicant's arguments with respect to claims 1-15, 18-20, 22, and 23 have been

considered but are moot in view of the following new grounds of rejection.

### *Continued Examination Under 37 CFR 1.114*

5.      A request for continued examination under 37 CFR 1.114, including the fee set forth in

37 CFR 1.17(e), was filed in this application after final rejection. Since this application is

eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e)

has been timely paid, the finality of the previous office action has been withdrawn pursuant to 37

CFR 1.114. The applicant's submission filed on 7/19/2006 has been entered.

### *Claim Rejections - 35 USC § 103*

6.      The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

7.      Claims 1-15, 18-20, 22, and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Dickelman (U.S. Patent Number 6,529,187) in view of Will (U.S. Patent Number

6,392,640), further in view of Belfiore et al. (U.S. Patent Number 6,009,459), hereinafter

referred to as Belfiore.

8.      Dickelman disclosed a system for navigating the Internet from a keypad equipped

wireless phone. In an analogous art, Will disclosed an interface for keypad entry on a handheld

wireless web access device such as a mobile phone. Also in an analogous art, Belfiore disclosed

a method for text entry into a browser where the browser attempts to construct a valid URL from

the text or applies the text in query form to an Internet search engine.

9.      Concerning claims 1 and 15, Dickelman did not explicitly state detailed use of a selection

list for displaying various entries. Although Dickelman does display the current entry on the

screen he is not specific about a selection list. However, Will's user interface clearly shows a

separate column for a selection list. It would have been obvious to one of ordinary skill in the art

at the time of the applicant's invention to modify the system of Dickelman by adding the ability

to display addresses as entries in a selection list as provided by Will. Here the combination

satisfies the need for greater ease in connecting a mobile phone to the Internet. See Dickelman,

column 3, lines 6-9. This rationale also applies to those dependent claims utilizing the same

combination.

10.     Concerning claims 5 and 15, Dickelman did not explicitly state searching a history folder

to find matches to the entered characters. However, Will does explicitly disclose this function as

his system allows for a memory quick search with real time display. It would have been obvious

to one of ordinary skill in the art at the time of the applicant's invention to modify the system of

Dickelman by adding the ability to search a history folder to find matches to the entered

characters as provided by Will. Again the combination satisfies the need for greater ease in

connecting a mobile phone to the Internet. See Dickelman, column 3, lines 6-9.

11.     Further concerning claims 1 and 15, the combination of Dickelman and Will did not

explicitly state determining whether the one character of text comprises a single word wherein

this determining comprises determining, prior to receiving another character of text, that the one

character of text comprises a character other than a period. However, Belfiore does explicitly

disclose this feature as his system checks the text entered by a user to determine whether or not

the character or characters include a period. It would have been obvious to one of ordinary skill

in the art at the time of the applicant's invention to modify the combination of Dickelman and

Will by adding the ability to determine whether the one character of text comprises a single word

wherein this determining comprises determining, prior to receiving another character of text, that

the one character of text comprises a character other than a period as provided by Belfiore. Here

the combination satisfies the need for greater ease in connecting a mobile phone to the Internet.

See Dickelman, column 3, lines 6-9.

12.     Thereby, the combination of Dickelman, Will, and Belfiore discloses:

- <Claim 1>

  A computer-implemented method for entering an address into a web browser of a mobile

  device, comprising: receiving one character of text (Dickelman, column 4, lines 26-47);

  determining whether the one character of text comprises a single word wherein

  determining whether the one character of text comprises the single word comprises

  determining, prior to receiving another character of text, that the one character of text

  comprises a character other than a period (Belfiore, column 5, lines 33-37); and

displaying, when it is determined that the one character of text comprises a single word, a list in the web browser with a list item wherein the list item comprises the one character of text with an automatic prefix added before the one character of text and an automatic suffix added after the one character of text (Dickelman, column 4, lines 45-47 and Will, column 6, lines 26-29).

- <Claim 2>

The method of claim 1 wherein the automatic prefix is "www." (Dickelman, column 4, lines 45-47).

- <Claim 3>

The method of claim 2 wherein the automatic suffix is ".com" (Dickelman, column 4, lines 45-47).

- <Claim 4>

The method of claim 1 wherein the mobile device is a wireless telephone (Dickelman, column 3, lines 13-16).

- <Claim 5>

The method of claim 1 further comprising the steps of: determining whether the one character of text matches any previous addresses entered into the web browser (Will, column 6, lines 54-58 and column 7, lines 11-13); and if so, then displaying the possible matches as list items in the list (Will, column 6, lines 26-29).

- <Claim 6>

The method of claim 5 wherein the step of determining whether the one character of text matches any previous addresses entered into the web browser comprises searching the

addresses of any previously viewed URLs in the browser's history, cache, or recently entered addresses for potential matches (Will, column 6, lines 54-58 and column 13, lines 54-67).

- <Claim 7>

The method of claim 5 further comprising the steps of: determining whether the user is ready to navigate to the URL defined by the one character of text (Dickelman, column 4, lines 55-64); and if so, then navigating the web browser to display a page defined by the one character of text (Dickelman, column 4, lines 55-64).

- <Claim 8>

The method of claim 7 wherein the one character of text is displayed in an address field (Dickelman, column 4, lines 45-54).

- <Claim 9>

The method of claim 7 further comprising the steps of: determining whether one of the list items in the list has been selected by the user (Will, column 7, lines 2-3); and if so, then navigating the web browser to display a page located at an address defined by the selected list item (Dickelman, column 4, lines 55-64).

- <Claim 10>

The method of claim 9 further comprising the steps of: if one of the list items in the list has not been selected by the user, then receiving another character of text (Will, column 7, lines 17-20).

- <Claim 11>

  The method of claim 1 wherein the one character of text is received in response to a user selecting keys on a keypad of a wireless telephone (Dickelman, column 3, lines 13-16 and column 4, lines 26-47).

- <Claim 12>

  The method of claim 1 wherein the automatic prefix and the automatic suffix may be modified to a desired prefix and a desired suffix (Dickelman, column 5, lines 62-65).

- <Claim 13>

  The method of claim 12 wherein the automatic prefix and automatic suffix are modified by receiving input from a user requesting that the automatic prefix be set to a first string and that the automatic suffix be set to a second string (Dickelman, column 5, lines 62-65).

- <Claim 14>

  The method of claim 13 wherein the automatic prefix and the automatic suffix are stored in a registry (Dickelman, column 4, lines 45-47).

- <Claim 15>

  A computer-implemented method for text entry in an electronic device, the method comprising: receiving one character of text (Dickelman, column 4, lines 26-47); and determining whether the one character of text comprises a single word wherein determining whether the one character of text comprises the single word comprises determining, prior to receiving another character of text, that the one character of text comprises a character other than a period (Belfiore, column 5, lines 33-37) and, if the one

character of text comprises the single word, then adding a prefix and a suffix to the one

character of text to form a combined address (Dickelman, column 4, lines 45-47) and

displaying the combined address as an entry in a selection list (Will, column 6, lines 26-

29); if the one character of text does not comprise a single word, then not adding a prefix

and a suffix to the one character of text to form a combined address and not displaying

the combined address as an entry in the selection list (Belfiore, column 5, lines 33-37,

where Belfiore's system knows not to effectuate further processing of the text entry

because it has determined the text entry to be a URL by presence of a period); searching a

history folder in the electronic device to find at least one address with the one character

of text (Will, column 6, lines 54-58 and column 7, lines 11-13); and displaying the at

least one address in the selection list (Will, column 6, lines 26-29).

- <Claim 18>

  The method of claim 15 wherein the selection list is a selection list in a web browser

  program module and the combined address and the plurality of addresses comprise URLs

  for Internet addresses (Dickelman, column 4, lines 55-64 and Will, column 6, lines 26-

  29).

- <Claim 19>

  The method of claim 18 further comprising the steps of: receiving an input selecting the

  one character of text and navigating the web browser program module to view a web

  page located at an address defined by the one character of text (Dickelman, column 4,

  lines 55-64).

- <Claim 20>

The method of claim 18 further comprising the steps of: receiving an input selecting the

combined address and navigating the web browser program module to view a web page

located at the combined address (Dickelman, column 4, lines 55-64).

- <Claim 22>

The method of claim 1 further comprising: receiving another character of text

(Dickelman, column 4, lines 26-47); determining, prior to receiving yet another character

of text, whether the another character of text comprises a period (Belfiore, column 5,

lines 33-37); and if not, then displaying a list in the web browser with a list item wherein

the list item comprises the one character of text and the another character of text with an

automatic prefix added before the one character of text and the another character of text

one character of text and an automatic suffix added after the one character of text and the

another character of text one character of text (Dickelman, column 4, lines 45-47 and

Will, column 6, lines 26-29).

- <Claim 23>

The method of claim 15 further comprising: receiving another character of text

(Dickelman, column 4, lines 26-47); and determining, prior to receiving yet another

character of text, whether the another character of text comprises a period (Belfiore,

column 5, lines 33-37) and, if not, then adding a prefix and a suffix to the one character

of text and the another character of text to form a combined address (Dickelman, column

4, lines 45-47) and displaying the combined address as an entry in a selection list (Will,

column 6, lines 26-29); if the another character of text comprises a period, then not

adding a prefix and a suffix to the one character of text and the another character of text

to form a combined address and not displaying the combined address as an entry in the

selection list (Belfiore, column 5, lines 33-37, where Belfiore's system knows not to

effectuate further processing of the text entry because it has determined the text entry to

be a URL by presence of a period); searching a history folder in the electronic device to

find at least one address with the one character of text and the another character of text

(Will, column 6, lines 54-58 and column 7, lines 11-13); displaying the at least one

address in the selection list (Will, column 6, lines 26-29); and receiving an input selecting

the at least one address and navigating a web browser program module to view a web

page located at the at least one address (Dickelman, column 4, lines 55-64).

Since the combination of Dickelman, Will, and Belfiore discloses all of the above limitations,

claims 1-15, 18-20, 22, and 23 are rejected.


### *Conclusion*

13.     The prior art made of record and not relied upon is considered pertinent to the applicant's

disclosure.

- Skiena et al. (U.S. Patent Number 5,828,991) disclosed a method for sentence

  reconstruction of words entered by single stroke text entry via a telephone keypad.

- Miller et al. (U.S. Patent Number 5,896,321) disclosed a text completion system that

  automatically displays a list of completion suggestions for a partial data entry in response

  to a pause in receipt of the data entry.

- Haestrup (U.S. Patent Number 6,223,059) disclosed a predictive editor program for generating an output containing words matching a received string of ambiguous key strokes entered via a telephone keypad.

14.     Any inquiry concerning this communication or earlier communications from the examiner should be directed to Victor Lesniewski whose telephone number is 571-272-3987. The examiner can normally be reached on Monday through Thursday.
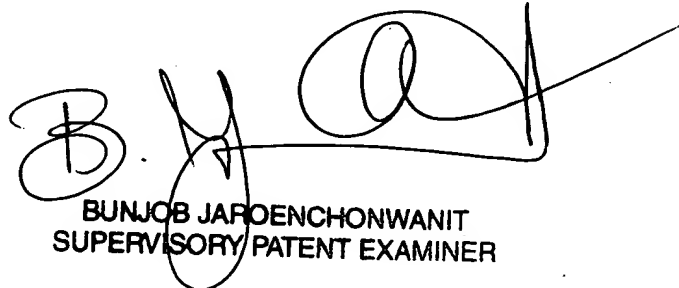
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on 571-272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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